

Pre Assessment

This is a pre-assessment to determine your comfort level teaching geology content and your understanding of geological processes. Please do not be concerned if you are unable to answer some of the questions.

Birthdate: _____ Gender: M or F Date _____

Ethnicity: _____

Teaching Status:

____ Student Teaching Fall 05 ____ First Yr Teacher ____ Second Yr Teacher

____ Other _____

1. Please circle whether you strongly agree, agree, disagree or strongly disagree with each of the following statements.

A. I am/will be teaching geology and/or geologic processes in my teaching/student teaching placement within the next year.

Strongly agree Agree Disagree Strongly disagree

B I am confident in my geology content knowledge.

Strongly agree Agree Disagree Strongly disagree

C. I am confident in my ability to teach students about plate tectonics and geological processes.

Strongly agree Agree Disagree Strongly disagree

D. I learned most of my geology knowledge through coursework.

Strongly agree Agree Disagree Strongly disagree

E, I learned most of my geology knowledge through outdoor experiences.

Strongly agree Agree Disagree Strongly disagree

F. I think geology is an interesting topic.

Strongly agree Agree Disagree Strongly disagree

G. As a teacher, I know about the resources at Golden Gate National Recreation Area.

Strongly agree Agree Disagree Strongly disagree

H. Next year, I plan to take my students on a field trip to Golden Gate National Recreation Area.

Strongly agree Agree Disagree Strongly disagree

I would like you to know the following about my academic background in geology and/or my geology teaching experiences:

Please use the back of the page if you need additional space to respond to a question.

2. List at least five characteristics that a geologist would use when examining rock and/or soil samples. Please be as specific as possible.

3. What types of rocks that you would expect to see in the San Francisco Bay area. Explain your answer.

4. Describe a sampling technique and specific tools used by a geologist to identify different types of rocks and/or soil samples at a specific site.

5. Explain the primary geological processes that account for the rocks and soils in the San Francisco Bay area. Please be as specific as possible.

6. If your goal was to teach students to recognize geological change in their environment. Describe the key concepts you would want students to know and describe any experiences you would provide students to accomplish this goal.

Please use the back of the page if you need additional space to respond to a question.